

INTEROFFICE MEMORANDUM

TO: File

THRU: K. H. Malone, Jr., FITOM

FROM: Raymond Wayne, FIT Hydrologist

DATE: June 26, 1989

SUBJECT: HRS Prescore Rationale for Scoring
The GM Assembly Site Preliminary Assessment, Arlington, TX
(TXD008018004)

This Memorandum documents the rationale used in assigning HRS Prescore values to the site.

Ground Water Pathway

The pathway was scored using the equalization lagoon as a potential contaminant source.

- Containment: No liner. Score based on earthen walls and bottom from 1954 to 1965.
- Waste quantity: 630,000 gallons. Score based on the once filled capacity of the lagoon.
- Targets: Projected score based on drinking water use from domestic wells, but with alternative (municipal) supply available.

Surface Water Pathway

The pathway was scored using the equalization lagoon as a potential contaminant source.

- Containment: No freeboard because outflow to the sanitary sewer was by gravity induced flow.
- Pathway and Targets: No runoff pathway, and no target population, because all site runoff enters the municipal sewer systems.
- General: Site size, and drainage area were estimated from a topographic map showing the site boundary.

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References

Reference

<u>Number</u>	<u>Description of the Reference</u>
01	Texas Department of Water Resources. Permit Application for Industrial Solid Waste Storage/Processing/Disposal Facility, Part A Facility Background Information. From: Ronald A. Millers, Plant Engineer, General Motors Assembly Division, 2525 East Abram, Arlington, Texas. Application Not Dated.
02	The Value Line Investment Survey, Part 3 Ratings & Reports. Value Line, Inc., New York, New York. March 24, 1989.
03	1980 Census of Population and Housing, Census Tracts, Dallas - Fort Worth, Texas. U.S. Department of Commerce, Bureau of the Census.
04	Record of Communication. To: Rene Del Rosa, Secretary, Flood Plain Management Office, United States Army Corp. of Engineers, Fort Worth, Texas. From: Raymond Wayne, FIT Hydrologist. EPA Region VI. May 23, 1989.
05	Interim Remedial Action Plan, General Motors Corporation CPC Division, Arlington, Texas. Prepared by: HDR Infrastructure, A Centerra Company. March, 1987.
06	U.S.G.S. 7.5 Minute Series Topographic Maps. Quadrangles: Arlington, TX. (1959, photorevised 1968 and 1973); Duncanville, TX (1959), photorevised 1981; Euless, TX (1959, photorevised 1968 and 1973); Hurst, TX 1959, photorevised 1981); Irving, TX 1959, photorevised 1981); and Kennedale, TX (1959, photorevised 1968 and 1973).
07	Herschfield, D. M. Rainfall Frequency Atlas of the United States. U.S. Weather Bureau Technical Paper No. 40.
08	Uncontrolled Hazardous Waste Site Ranking System: A Users Manual. 47 FR 31219-31243, 16 July 1982 (Appendix A, CERCLA).
09	Nordstrom, Phillip L. Report 269, Occurrence, Availability, and Chemical Quality of Ground Water In The Cretaceous Aquifers of North-Central Texas, Volume 1. Texas Department of Water Sources. Austin, Texas. April, 1982.
10	Record of Communication. To: Tim Sewell, Environmental Quality Specialist, Texas Water Commission, Duncanville, Texas. From: Raymond Wayne, FIT Hydrologist. EPA Region VI. May 24, 1989.

General Motors Corporation Assembly

References

<u>Reference Number</u>	<u>Description of the Reference</u>
11	Closure Certification Report, Industrial Wastewater Equalization Lagoon, General Motor C-P-C, Arlington, Texas. Prepared by: HDR Environmental Technologies. January, 1986.
12	Record of Communication. To: John Wankum, Utility Engineer, Water Department, City of Arlington, Texas. From: Raymond Wayne, FIT Hydrologist. EPA Region VI. May 24, 1989.
13	Record of Communication. To: Wilburn White, Utility Supervisor, Water Department, City of Grand Prairie, Texas. From: Raymond Wayne, FIT Hydrologist. EPA Region VI. May 24, 1989.
14	Record of Communication. To: Joe Johnston, Biologist, Ecological Services, United States Fish & Wildlife Service, Fort Worth, Texas. From: Raymond Wayne, FIT Hydrologist. EPA Region VI. May 25, 1989.
15	Record of Communication. To: Eddy Mack, Engineering Assistant, Texas Air Control Board, Region 8, Fort Worth, Texas. From: Raymond Wayne, FIT Hydrologist. EPA Region VI. May 24, 1989.
16	Record of Communication. To: Wilma Stevenson, Administrative Technician, Information and Technical Services, Texas Water Commission, Austin, Texas. From: Raymond Wayne, FIT Hydrologist. EPA Region VI. May 5, 1989.
17	Record of Communication. To: Sid Ricks, Conservation Officer, United States Soil Conservation Service, Fort Worth, Texas. From: Raymond Wayne, FIT Hydrologist. EPA Region VI. May 25, 1989.
18	Record of Communication. To: Craig Powell, Senior Pollution Control Officer, Water Department, City of Arlington, Texas. From: Raymond Wayne, FIT Hydrologist. EPA Region VI. May 25, 1989.
19	Letter. To: D. W. Tunstall, General Motors Corporation, Arlington, Texas. From: Russel S. Kimble, Chief, Reports and Management Section, Hazardous and Solid Waste Division, Texas Water Commission, Austin, Texas. June 18, 1987.
20	Letter. To: Texas Water Commission, District 4, Duncanville, Texas. From: Ron Lee, Personnel Director, CPC Arlington, General Motors Corporation, Arlington, Texas. December 15, 1986.

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References

<u>Reference Number</u>	<u>Description of the Reference</u>
21	Letter. To: Texas Water Commission, District 4, Duncanville, Texas. From: Robert Murday, Plant Engineer, CPC Arlington, General Motors Corporation, Arlington, Texas. April 8, 1989.
22	Sax, N. Irving and Richard J. Lewis. Sr. 1984. Dangerous Properties of Industrial Materials, Seventh Edition. Van Nostrand Reinhold Co. New York. 1989.
23	Record of Communication. To: Paul Cooper, Environmental Quality Specialist, Texas Water Commission, Duncanville, Texas. From: Raymond Wayne, FIT Hydrologist. EPA Region VI. May 30, 1989.
24	Letter. To: Minor Hibbs, Texas Water Commission, Austin, Texas. From: Kent Moon, Environmental Engineer, CPC Arlington, General Motors Corporation, Arlington, Texas. September 16, 1986.
25	Letter. To: Gary Giles, General Motors Corporation, Arlington, Texas. From: Minor Brooks Hibbs, Chief, Permits Section, Hazardous and Solid Waste Division, Texas Water Commission, Austin, Texas. September 26, 1986.
26	Interoffice Memorandum, Texas Water Commission. To: Bill Brown, Field Operations Liaison, Hazardous and Solid Waste Division. From: R. L. Lauderdale, Engineer, District 4. January 14, 1986.
27	Interoffice Memorandum, Texas Water Commission. To: Files. From: Paul Cooper, Environmental Quality Specialist, District 4. October 21, 1988.
28	Record of Communication. To: Tim Sewell, Environmental Quality Specialist, Texas Water Commission, Duncanville, Texas. From: Raymond Wayne, FIT Hydrologist. EPA Region VI. May 31, 1989.
29	Texas Water Commission, Notice of Registration, Solid Waste Management. For: General Motors Corporation, 2525 East Abram Street, Arlington, Texas. April 4, 1989.
30	Letter. Tim Sewell, Texas Water Commission, Duncanville, Texas. From: Paul Caigoy, Industrial Hygienist, CPC Arlington, General Motors Corporation, Arlington, Texas. September 23, 1987.
31	Record of Communication. To: Gary Tarpley, District Supervisor, Texas Parks and Wildlife, Fort Worth, Texas. From: Raymond Wayne, FIT Hydrologist. EPA Region VI. May 25, 1989.

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References

<u>Reference Number</u>	<u>Description of the Reference</u>
32	Record of Communication. To: Deborah Edris, Secretary, Chamber of Commerce, Arlington, Texas. From: Raymond Wayne, FIT Hydrologist. EPA Region VI. June 5, 1989.
33	Letter. To: Joanne Pritcher, Environmental Supervisor, General Motors Corporation, Arlington, Texas. From: Keith Copeland, Head, Corrective Action Unit, Underground Storage Tank Section, Texas Water Commission, Austin, Texas. April 13, 1989.
34	Soil Survey of Tarrant County, Texas. United States Department of Agriculture Soil Conservation Service. June, 1981.
35	Hazardous Waste Permit. United States Environmental Protection Agency, Consolidated Permits Program. Form 1, General Information; Form 3, Hazardous Waste Permit Application. Completed by: GMC GM Assembly Division Arlington Plant, Arlington, Texas. November 17, 1980.